IN THE CLAIMS

- 1. (currently amended) A method of treating or; ameliorating, or preventing a hyperproliferative disease in a subject comprising administering to said subject a therapeutically effective dose of a gossypol compound and one or more second agent(s) selected from an anticancer agent and/or radiation, with the proviso that a combination of (±)-gossypol, heat, and radiation is not administered wherein said gossypol compound is selected from the group consisting of (±)-ethyl gossypol, (-)-ethyl gossypol, (+)-ethyl gossypol, (±)-hemigossypolone, (-)-hemigossypolone, (+)-hemigossypolone, (±)-apogossypol, (-)-apogossypol, (+)-apogossypol, (+)-apogossypol, (+)-apogossypol, (acetic acid, (+)-apogossypol, (-)-ethyl apogossypol, (-)-ethyl apogossypol, and (+)-ethyl apogossypol.
- 2. (currently amended) The method of claim 1, wherein said gossypol compound is provided in a dose that sensitizes said subject to treatment by said one or more second <u>agent(s)</u> agents.
 - 3-26. (canceled)
- 27. (original) The method of claim 1, wherein said hyperproliferative disease is associated with overexpression of a Bcl-2 family member protein.
- 28. (original) The method of claim 27, wherein said Bcl-2 family protein is Bcl-2, Bcl-X₁, Mcl-1, A1/BFL-1, BOO-DIVA, Bcl-w, Bcl-6, Bcl-8, or Bcl-y.
 - 29. (original) The method of claim 1, wherein said subject is a human.
 - 30. (original) The method of claim 1, wherein said hyperproliferative disease is cancer.

- 31. (currently amended) The method of claim 30, wherein said cancer is breast cancer, prostate cancer, pancreatic cancer, colon cancer, lung cancer, <u>leukemia</u>, lymphoma, melanoma, or head-neck cancer.
 - 32. (original) The method of claim 30, wherein said cancer is metastatic.
- 33. (original) The method of claim 30, wherein said cancer is a tumor and the treatment or amelioration results in regression of the tumor.
- 34. (currently amended) The method of claim 30, wherein said cancer is resistant to anticancer agent <u>and/or radiation therapy</u>.
- 35. (currently amended) The method of claim 34, wherein said gossypol compound sensitizes said cancer to said anticancer agent <u>and/or radiation therapy</u>.
- 36. (currently amended) The method of claim 1, wherein said gossypol compound and said anticancer agent <u>and/or radiation</u> are administered simultaneously.
- 37. (currently amended) The method of claim 1, wherein said gossypol compound and said anticancer agent <u>and/or radiation</u> are administered sequentially.
- 38. (currently amended) The method of claim 37, wherein said gossypol compound is administered prior to said anticancer agent <u>and/or radiation</u>.
- 39. (currently amended) The method of claim 37, wherein said gossypol compound is administered after said anticancer agent <u>and/or radiation</u>.

- 40. (currently amended) The method of claim 1, wherein said gossypol compound and said anticancer agent <u>and/or</u> radiation are administered with different periodicities, different durations, different concentrations, and/or different administration routes.
- 41. (currently amended) The method of claim 1, wherein said anticancer agent and/or radiation is selected from docetaxel, <u>paclitaxel</u> TAXOL, cisplatin, <u>carboplatin</u>, radiation therapy, and combinations thereof.
 - 42. (canceled)
- 43. (currently amended) The method of claim 1, wherein said gossypol compound and said anticancer agent <u>and/or radiation</u> have a synergistic therapeutic effect.
 - 44. (original) The method of claim 1, wherein said disease is a neoplastic disease.
 - 45. (original) The method of claim 1, wherein said second agent is radiation.
- 46. (currently amended) A pharmaceutical composition comprising a gossypol compound and one or more anticancer agents, wherein said gossypol compound is selected from the group consisting of (±)-ethyl gossypol, (-)-ethyl gossypol, (+)-ethyl gossypol, (±)-hemigossypolone, (-)-hemigossypolone, (+)-hemigossypolone, (±)-apogossypol, (±)-apogossypol acetic acid, (-)-apogossypol acetic acid, (+)-apogossypol acetic acid, (±)-ethyl apogossypol, and (+)-ethyl apogossypol.
- 47. (currently amended) The pharmaceutical composition of claim 46, wherein said gossypol compound is (-) gossypol and said anticancer agent is selected from docetaxel, paclitaxel TAXOL, cisplatin, carboplatin, and combinations thereof.

48. (canceled)

- 49. (currently amended) A kit comprising a gossypol compound, one or more anticancer agents, and instructions for administering said gossypol compound and said anticancer agents to a subject, wherein said gossypol compound is selected from the group consisting of (±)-ethyl gossypol, (-)-ethyl gossypol, (+)-ethyl gossypol, (±)-hemigossypolone, (-)-hemigossypolone, (+)-hemigossypolone, (+)-apogossypol, (-)-apogossypol, (+)-apogossypol, (+)-apogossypol, (+)-apogossypol acetic acid, (+)-apogossypol acetic acid, (±)-ethyl apogossypol, (-)-ethyl apogossypol, and (+)-ethyl apogossypol.
- 50. (currently amended) The kit of claim 49, wherein said gossypol compound is (-)-gossypol and said anticancer agent is selected from docetaxel, <u>paclitaxel</u> TAXOL, cisplatin, <u>carboplatin</u>, and combinations thereof.

51. (canceled)

- 52. (new) A method of treating or ameliorating a hyperproliferative disease in a subject comprising administering to said subject a therapeutically effective dose of a gossypol compound and one or more second agent(s) selected from docetaxel, paclitaxel, cisplatin, and/or radiation, wherein the combination of a gossypol compound and (a) second agent(s) produces a synergistic effect with respect to one or more of tumor shrinkage, tumor loss, time to tumor progression, or survival, with the proviso that a combination of (±)-gossypol, heat, and radiation is not administered.
- 53. (new) The method of claim 52, wherein said gossypol compound is provided in a dose that sensitizes said subject to treatment by said one or more second agent(s).
 - 54. (new) The method of claim 52, wherein said gossypol compound is (±)-gossypol.

55. (1	new)	The method of claim 52, wherein said gossypol compound is (-)-gossypol.
56. (ı (+)-gossypol	new) l.	The method of claim 52, wherein said gossypol compound is
57. (ı (±)-gossypol	new) lone.	The method of claim 52, wherein said gossypol compound is
58. (ı (-)-gossypol	new) one.	The method of claim 52, wherein said gossypol compound is
59. (a) (+)-gossypol	new) lone.	The method of claim 52, wherein said gossypol compound is
60. (acetic acid.	new)	The method of claim 52, wherein said gossypol compound is (±)-gossypol
61. (acetic acid.	new)	The method of claim 52, wherein said gossypol compound is (-)-gossypol
62. (acetic acid.	new)	The method of claim 52, wherein said gossypol compound is (+)-gossypol
63. (a gossypol.	new)	The method of claim 52, wherein said gossypol compound is (±)-ethyl

- 64. (new) The method of claim 52, wherein said gossypol compound is (-)-ethyl gossypol.
- 65. (new) The method of claim 52, wherein said gossypol compound is (+)-ethyl gossypol.
- 66. (new) The method of claim 52, wherein said gossypol compound is (±)-hemigossypolone.
- 67. (new) The method of claim 52, wherein said gossypol compound is (-)-hemigossypolone.
- 68. (new) The method of claim 52, wherein said gossypol compound is (+)-hemigossypolone.
- 69. (new) The method of claim 52, wherein said gossypol compound is (±)-apogossypol.
- 70. (new) The method of claim 52, wherein said gossypol compound is (-)-apogossypol.
- 71. (new) The method of claim 52, wherein said gossypol compound is (+)-apogossypol.
- 72. (new) The method of claim 52, wherein said gossypol compound is (±)-apogossypol acetic acid.

- 73. (new) The method of claim 52, wherein said gossypol compound is (-)-apogossypol acetic acid.
- 74. (new) The method of claim 52, wherein said gossypol compound is (+)-apogossypol acetic acid.
- 75. (new) The method of claim 52, wherein said gossypol compound is (\pm) -ethyl apogossypol.
- 76. (new) The method of claim 52, wherein said gossypol compound is (-)-ethyl apogossypol.
- 77. (new) The method of claim 52, wherein said gossypol compound is (+)-ethyl apogossypol.
- 78. (new) The method of claim 52, wherein said hyperproliferative disease is associated with overexpression of a Bcl-2 family member protein.
- 79. (new) The method of claim 78, wherein said Bcl-2 family protein is Bcl-2, Bcl-X_L, Mcl-1, A1/BFL-1, BOO-DIVA, Bcl-w, Bcl-6, Bcl-8, or Bcl-y.
 - 80. (new) The method of claim 52, wherein said subject is a human.
 - 81. (new) The method of claim 52, wherein said hyperproliferative disease is cancer.
- 82. (new) The method of claim 81, wherein said cancer is breast cancer, prostate cancer, pancreatic cancer, colon cancer, lung cancer, leukemia, lymphoma, melanoma, or headneck cancer.

- 83. (new) The method of claim 82, wherein said cancer is breast cancer or prostate cancer.
 - 84. (new) The method of claim 81, wherein said cancer is metastatic.
- 85. (new) The method of claim 81, wherein said cancer is a tumor and the treatment or amelioration results in regression of the tumor.
- 86. (new) The method of claim 85, wherein the treatment or amelioration results in complete regression of the tumor.
- 87. (new) The method of claim 81, wherein said cancer is resistant to anticancer agent or radiation therapy.
- 88. (new) The method of claim 87, wherein said gossypol compound sensitizes said cancer to said anticancer agent(s) and/or radiation therapy.
- 89. (new) The method of claim 52, wherein said gossypol compound and said one or more second agent(s) are administered simultaneously.
- 90. (new) The method of claim 52, wherein said gossypol compound and said one or more second agent(s) are administered sequentially.
- 91. (new) The method of claim 90, wherein said gossypol compound is administered prior to said one or more second agent(s).

- 92. (new) The method of claim 90, wherein said gossypol compound is administered after said one or more second agent(s).
- 93. (new) The method of claim 52, wherein said gossypol compound and said one or more second agent(s) are administered with different periodicities, different durations, different concentrations, and/or different administration routes.
 - 94. (new) The method of claim 52, wherein said gossypol compound is (-)-gossypol.
 - 95. (new) The method of claim 52, wherein said disease is a neoplastic disease.
 - 96. (new) The method of claim 52, wherein said second agent is radiation.